

VHF SY-130 TX TEST DATA

MODEL NO : SY-130(ALBRECHT)
 TESTED DATE : 23 APR 1998
 TESTED BY : CHO BONG HO

TEST ITEMS		UNIT	NORMAL	LIMIT	RESULT		
					144.00MHZ	145.00MHZ	149.995MHZ
1. RF POWER AT 50 OHMS DUMMY LOAD	LOW	W	10	8.0-12	10	10	10
	HI	W	50	45-55	50	50	50
2. FREQUENCY ERROR		HZ			+20	+10	+10
3. MAX DEVIATION GE: 1KHZ 24mV		KHZ	4.7	4 ~ 6	4.9	4.7	4.6
4. MIC GAIN GE: 1KHz 3mV		KHz	4.0	± 0.4	4.3	4.1	4.0
5. CALL DEVIATION GE: OFF		KHZ	4.5	3.5~5.5	4.1	4.0	3.9
6. CTCSS TONE DEVIATION TONE SW (88.5Hz ON)		KHz			0.7	0.7	0.7
7. MIC SENS AT 1.5KHZ DEVIATION		mV	3.0	6.0	1	1	1
8. DISTORTION AT 1.5KHZ/DEV		%	1	3	1.5	1.4	1.4
9. AUDIO FIDELITY 400HZ 2.5KHZ		dB	+3 -6	±3 ±6	-4 +6	-4 +6	-16 +6
10. SPURIOUS & HARMONICS		dB	70dB	60dB	61	61	65
11. CURRENT DRAIN A13.8 VOLTS	LOW	A	5.0	6.0	5.0	5.0	5.0
	HI	A	12.0	13.0	11	11	11

VHF SY-130 RX TEST DATA

MODEL NO : SY-130(ALBRECHT)
 TESTED DATE : 23 APR 1998
 TESTED BY : CHO BONG HO

POWER SUPPLY VOLTAGE: 13.8V

(ALL SSG OUT = EMF)

TEST ITEMS	U N I T	NORMAL	LIMIT	RESULT		
				144.00MHZ	145.00MHZ	145.995MHZ
1. USABLE SENG FOR 12dB SND	dB	-10	-6	-9.5	-10.8	-10
2. NOISE QUIETION FOR 20dB	dB	6	0	-6.5	-8	-8
3. SQUELCH THRESHOLD SENS	dB	-15	±6	-14	-14	-14
4. SQUELCH TIGHT SENS	dB	-6	±6	-9	-9	-9
5. METER SENS FOR FULL	dB	15	±6	14	14	14
6. 1mV HUM & NOISE RATIO	dB	40	35	44	44	44
7. DISTORTION AT 1mV INPUT	%	10	5	1.2	1.2	1.2
8. MAX AUDIO POWER AT 8 Ω	W			3.7	3.7	3.7
9. 10% THD POWER AT 8 OHMS	W			2.5	2.5	2.5
10. AUDIO FIDELITY 400HZ 2.5KHZ	dB			+9	+9	+9
	dB			-17	-17	-17
11. ADJUCENT CHANNEL SELECTIVITY ±6KHZ	dB				-1	
12. SPURIOUS REJECTION RATID	dB	60	55		80	
13. INTERMODULATION RESPONSE ±20KHZ	dB	60	55		59	
14. CURRENT DRAIN AT	SQED	mA	200	250		270
	THD 10%		450	600		530